

# Emerging Technologies Program Reports

## General Publications

C SITE Emerging Technology Program (Brochure) (EPA/540/F-95/502)

### **ABB Environmental Services, Inc. - Two Zone PCE Bioremediation System**

C Emerging Tech. Bulletin (EPA/540/F-95/510)

### **Aluminum Company of America - Bioscrubber for Removing Hazardous Organic Emission from Soil, Water, and Air Decontamination Process**

C Emerging Tech. Bulletin (EPA/540/F-93/507)<sup>3</sup>

C Emerging Tech. Summary (EPA/540/SR-93/521)<sup>3</sup>

C Emerging Tech. Report (EPA/540/R-93/521)  
PB93-227025<sup>2</sup>

C Journal Article AWMA Vol. 44, No. 3, March 1994

### **Arizona State University - Integration of Photocatalytic Oxidation with Air Stripping of Contaminated Aquifers**

C Emerging Tech. Summary (EPA/540/SR-98/504)

C Emerging Tech. Report (EPA/540/R-98/504)<sup>3</sup>  
PB99-127920

### **Atomic Energy of Canada, Limited - Chemical Treatment and Ultrafiltration**

C Emerging Tech. Bulletin (EPA/540/F-92/002)<sup>3</sup>

### **Babcock & Wilcox Co. - Cyclone Furnace (Soil Vitrification)**

C Emerging Tech. Bulletin (EPA/540/F-92/010)

C Emerging Tech. Summary (EPA/540/SR-93/507)

C Emerging Tech. Report (EPA/540/R-93/507)  
PB93-163038<sup>2</sup>

### **Battelle Memorial Institute - In Situ Electroacoustic Soil Decontamination**

C Emerging Tech. Summary (EPA/540/S5-90/004)<sup>3</sup>

C Emerging Tech. Report (EPA/540/5-90/004)  
PB90-204728<sup>2</sup>

### **Bio-Recovery Systems, Inc. - Removal and Recovery of Metal Ions from Groundwater (AlgaSORB)**

C Emerging Tech. Bulletin (EPA/540/F-92/003)<sup>3</sup>

C Emerging Tech. Summary (EPA/540/S5-90/005)<sup>3</sup>

C Emerging Tech. Report (EPA/540/5-90/005a)  
PB90-252594<sup>2</sup>

C Emerging Tech. Report - Appendices  
(EPA/540/5-90/005b) PB90-252602<sup>2</sup>

### **Biotrol, Inc. - Mechanotrophic Bioreactor System**

C Emerging Tech. Bulletin (EPA/540/F-93/506)<sup>3</sup>

C Emerging Tech. Summary (EPA/540/SR-93/505)<sup>3</sup>

C Journal Article AWMA Vol. 45, No.1, Jan. 1995

### **Center for Hazardous Materials Research**

#### **- Acid Extraction Treatment System for Treatment of Metal Contaminated Soils**

C Emerging Tech. Summary (EPA/540/SR-94/513)<sup>3</sup>

C Emerging Tech. Report (EPA/540/R-94/513)  
PB94-188109<sup>2</sup>

#### **-Simultaneous Destruction of Organics and Stabilization of Metals in Soils**

C Emerging Tech. Summary (EPA/540/SR-98/500)

C Emerging Tech. Report (EPA/540/R-98/500)<sup>2</sup>  
PB98-133150

#### **- Reclamation of Lead from Superfund Waste Material Using Secondary Lead Smelters**

C Emerging Tech. Bulletin (EPA/540/F-94/510)

C Emerging Tech. Summary (EPA/540/SR-95/504)

C Emerging Tech. Report (EPA/540/R-95/504)  
PB9-199022<sup>2</sup>

### **Colorado School of Mines - Constructed Wetlands-Based Treatment**

C Emerging Tech. Bulletin (EPA/540/F-92/001)<sup>3</sup>

C Emerging Tech. Summary (EPA/540/SR-93/523)

C Emerging Tech. Report (EPA/540/R-93/523)  
PB93-233914<sup>2</sup>

### **University of Dayton Research Institute - Development of a Photothermal Detoxification Unit**

C Emerging Tech. Bulletin (EPA/540/F-95/505)<sup>3</sup>

C Emerging Tech. Summary (EPA/540/SR-95/526)<sup>3</sup>

C Emerging Tech. Report (EPA/540/R-95/526)  
PB95-255733<sup>2</sup>

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### **Electro-Pure Systems, Inc. - Alternating Current Electrocoagulation Technology**

- C Emerging Tech. Bulletin (EPA/540/F-92/011)<sup>3</sup>
- C Emerging Tech. Summary (EPA/540/S-93/504)<sup>3</sup>
- C Journal Article AWMA Vol 43, No.5, May 1993

### **Electrokinetics Inc. - Insitu Bio Remediation by Electrokinetic Injection**

- C Emerging Tech. Summary (EPA/540/SR-00/503)

### **Electrokinetics Inc. - Theoretical and Experimental Modeling of Multispecies.... Electrokinetic Soil Processing**

- C Emerging Tech. Bulletin (EPA/540/F-95/504)
- C Emerging Tech. Summary (EPA/600/SR-97/054)
- C Emerging Tech. Report (EPA/600/R-97/054)  
PB97--193056<sup>2</sup>

### **Energy and Environmental Engineering - Laser-Induced Photochemical Oxidative Destruction**

- C Emerging Tech. Bulletin (EPA/540/F-92/004)
- C Emerging Tech. Summary (EPA/540/SR-92/080)
- C Emerging Tech. Report (EPA/540/R-92/080)  
PB93-131431<sup>2</sup>

### **Energy and Environmental Research Corporation - Hybrid Fluidized Bed System**

- C Emerging Tech. Bulletin (EPA/540/F-93/508)

### **FERRO Corporation - Waste Vitrification Through Electric Melting**

- C Emerging Tech. Bulletin (EPA/540/F-95/503)

### **Florida International University (or Electron Beam Research Facility)**

#### **- Electron Beam Treatment for Removal of Benzene and Toluene from Aqueous Streams and Sludge**

- C Emerging Tech. Bulletin (EPA/540/F-93/502)<sup>3</sup>

#### **- Electron Beam Treatment for the Trichloroethylene and Tetrachloroethylene from Aqueous Stream**

- C Emerging Tech. Bulletin (EPA/540/F-92/009)<sup>3</sup>

#### **- Removal of Phenol from Aqueous Solutions Using High Energy Electron Beam Irradiation**

- C Emerging Tech. Bulletin (EPA/540/F-93/509)<sup>3</sup>

### **Institute of Gas Technology**

#### **- Chemical and Biological Treatment (CBT)**

- C Emerging Tech. Bulletin (EPA/540/F-94/504)<sup>3</sup>

#### **- Fluid Extraction-Biological Degradation Process**

- C Emerging Tech. Bulletin (EPA/540/F-94/501)<sup>3</sup>

### **IT Corporation - Innovative Methods for Bioslurry Treatment**

- C Emerging Tech. Bulletin (EPA/540/F-96/505)
- C Emerging Tech. Summary (EPA/540/SR-96/505)
- C Emerging Tech. Report (EPA/540/R-96/505)  
PB97-176820<sup>2</sup>

### **IT Corporation - Photolysis/Biodegradation of PCB and PCDD/PCDF Contaminated Soils**

- C Emerging Tech. Bulletin (EPA/540/F-94/502)
- C Emerging Tech. Summary (EPA/540/SR-94/531)
- C Emerging Tech. Report (EPA/540/R-94/531)  
PB95-159992<sup>2</sup>

### **IT Corporation - Process for the Treatment of Volatile Organic Carbon & Heavy-Metal Contaminated Soil**

- C Emerging Tech. Bulletin (EPA/540/F-95/509)

### **J.R. Simplot - Anaerobic Destruction of Nitroaromatics (the SABRE Process)**

- C Journal Article App. Env. Micro, Vol. 58, No. 5, May 1992, pp. 1683-89

### **Matrix Photocatalytic, Inc. - Photocatalytic Water Treatment**

- C Published Paper (EPA/600/A-93/282)  
PB94-130184<sup>2</sup>

### **Membrane Technology and Research, Inc. - Volatile Organic Compound Removal from Air Streams by Membrane Separation**

- C Emerging Tech. Bulletin (EPA/540/F-94/503)

### **M.L. Energia - Reductive Photo-Dechlorination Process for Safe Conversion of Hazardous Chlorocarbon Waste Streams**

- C Emerging Tech. Bulletin (EPA/540/F-94/508)

### **New Jersey Institute of Technology - GHEA Associates Process for Soil Washing and Wastewater Treatment**

- C Emerging Tech. Bulletin (EPA/540/F-94/509)

### **PURUS, Inc. - Photolytic Oxidation Process**

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### **[Destruction of Organic Contaminants in Air Using Advanced Ultraviolet Flashlamps]**

- C Emerging Tech. Bulletin (EPA/540/F-93/501)<sup>3</sup>
- C Emerging Tech. Summary (EPA/540/SR-93/516)<sup>3</sup>
- C Emerging Tech. Report (EPA/540/R-93/516)  
PB93-205383<sup>2</sup>

### **Roy F. Weston, Inc. - Ambersorb 563 Adsorbent**

- C Emerging Tech. Bulletin (EPA/540/F-95/500)
- C Emerging Tech. Summary (EPA/540/SR-95/516)
- C Emerging Tech. Report (EPA/540/R-95/516)  
PB95-264164<sup>2</sup>

### **University of Washington - Metals Treatment at Superfund Sites by Adsorptive Filtration**

- C Emerging Tech. Bulletin (EPA/540/F-92/008)<sup>3</sup>
- C Emerging Tech. Summary (EPA/540/SR-93/515)<sup>3</sup>
- C Emerging Tech. Report (EPA/540/R-93/515)  
PB93-231165<sup>2</sup>

### **Vortec Corporation - Vitrification**

- C Published Paper, Glass Production Technol  
International , 1994, p. 103 - 106
- C Emerging Tech. Summary (EPA/540/S-97/501)<sup>4</sup>

### **Wastewater Technology Centre - [A] Cross-Flow Pervaporation System [for Removal of VOC's from Contaminated Water]**

- C Emerging Tech. Bulletin (EPA/540/F-93/503)<sup>3</sup>
- C Emerging Tech. Summary (EPA/540/SR-94/512)<sup>3</sup>
- C Emerging Tech. Report (EPA/540/R-94/512)  
PB94-170230<sup>2</sup>

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